

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2079	(564/25\$).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/18 16:25
L2	1474	(564/26\$).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/18 16:25
L3	3165	I1 or I2	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:26
L4	34727	\$20oxime	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L5	1279	I3 and I4	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L6	2306	cyrstal\$10	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:27
L7	4	I5 and I6	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 16:28
L8	77	564/264	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:12
L9	1342002	ti or titanium	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:13
L10	252	I9 and I5	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:13
L11	1	I10 and I6	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/18 17:13

16/733,278

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alerts (SDIs) affected
NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS 14 DEC 30 EPFULL: New patent full text database to be available on STN
NEWS 15 DEC 30 CAPLUS - PATENT COVERAGE EXPANDED
NEWS 16 JAN 03 No connect-hour charges in EPFULL during January and
February 2005
NEWS 17 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
(ROSPATENT) added to list of core patent offices covered
NEWS 18 FEB 10 STN Patent Forums to be held in March 2005
NEWS 19 FEB 16 STN User Update to be held in conjunction with the 229th ACS
National Meeting on March 13, 2005
NEWS 20 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADO
NEWS 21 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 22 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 23 MAR 02 GBFULL: New full-text patent database on STN
NEWS 24 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 25 MAR 03 MEDLINE file segment of TOXCENTER reloaded

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
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AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FULL ESTIMATED COST	0.21	0.21

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FILE COVERS 1907 - 18 Mar 2005 VOL 142 ISS 13
FILE LAST UPDATED: 17 Mar 2005 (20050317/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s ti or titanium
328925 TI
1058 TIS
329701 TI
(TI OR TIS)
433114 TITANIUM
78 TITANIUMS
433124 TITANIUM
(TITANIUM OR TITANIUMS)
L1 558452 TI OR TITANIUM

=> s catalyst
683181 CATALYST
686789 CATALYSTS
L2 875716 CATALYST
(CATALYST OR CATALYSTS)

=> s l1 and l2
L3 58097 L1 AND L2

```

=> s ?oxime
L4      69797 ?OXIME

=> s 13 and 14
L5      284 L3 AND L4

=> s peroxide
      189205 PEROXIDE
      43867 PEROXIDES
L6      206233 PEROXIDE
          (PEROXIDE OR PEROXIDES)

=> s ?peroxide
L7      267286 ?PEROXIDE

=> s 15 and 17
L8      70 L5 AND L7

=> s crystal?
      1639959 CRYSTAL?
      325626 CRYST
      1798 CRYSTS
      326893 CRYST
          (CRYST OR CRYSTS)
      85626 CRYSTD
      17443 CRYSTG
      220171 CRYSTN
      2301 CRYSTNS
      221449 CRYSTN
          (CRYSTN OR CRYSTNS)
L9      1926444 CRYSTAL?
          (CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)

=> s 18 and 19
L10     7 L8 AND L9

=> d 110 1-7 abs ibib

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L10 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
AB The preparation of oximes (e.g., cyclododecanone oxime) from carbonyl compds. (e.g., cyclododecanone) is described using ammonia and hydrogen peroxide in the presence of a Ti-containing catalyst (e.g., TS-1) and a partially water-soluble solvent (e.g., 1-butanol). A process flow diagram is presented.

ACCESSION NUMBER: 2004:525095 CAPLUS
DOCUMENT NUMBER: 141:73321
TITLE: Amoxidation process for the preparation of oximes
INVENTOR(S): Leisinger, Stefan; Herwig, Juerge; Roos, Martin; Oenbrink, Georg
PATENT ASSIGNEE(S): Degussa A.-G., Germany
SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1433777	A2	20040630	EP 2003-25637	20031106
EP 1433777	A3	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
DE 10260717	A1	20040701	DE 2002-10260717	20021223
US 2004167359	A1	20040826	US 2003-733278	20031212
JP 2004203882	A2	20040722	JP 2003-425516	20031222
PRIORITY APPLN. INFO.:			DE 2002-10260717	A 20021223

L10 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
AB The influence of the synthetic process on the catalytic properties of titanium silicalite-1 prepared by mineral materials was studied. The ammoxidn. of cyclohexanone was used to characterize the catalytic activity of the TS-1 samples. Adding seeds or promoter and stirring in TS-1 synthetic process affected the catalytic properties greatly; intracryst. diffusion activity was the main factor that reduced the catalytic properties of TS-1 samples. The TS-1 catalytic properties could be improved greatly by pretreating the TS-1 with H2O2 and H2SO4. With adding-seeds in dynamic state smaller crystal size TS-1 sample was obtained, and after pretreatment the cyclohexanone conversion and oxime yield could reach to 97% and 94%, resp.

ACCESSION NUMBER: 2003:555088 CAPLUS
DOCUMENT NUMBER: 139:339245
TITLE: Catalytic properties of titanium silicalite-1 prepared by mineral materials for cyclohexanone ammoxidation
AUTHOR(S): Zhao, Hong; Zhou, Jicheng
CORPORATE SOURCE: College of Chemical Engineering, Xiangtan University, Xiangtan, 411105, Peop. Rep. China
SOURCE: Fenzi Cuihua (2003), 17(3), 193-197
CODEN: FECUEH; ISSN: 1001-3555
Kexue Chubanshe
Journal
Chinese
OTHER SOURCE(S): CASREACT 139:339245

L10 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
AB Cyclohexanone oxime is prepared in high yield and selectivity by reacting cyclohexanone and/or cyclohexanol in any proportion with an aqueous solution of hydrogen peroxide and ammonia in the presence of a crystalline titanosilicate catalyst (e.g., TS-2) at 40-120°.

ACCESSION NUMBER: 2003:487414 CAPLUS
DOCUMENT NUMBER: 139:21947
TITLE: Oximation process and catalyst for the production of cyclohexanone oxime from the reaction of cyclohexanone and/or cyclohexanol with ammonia and hydrogen peroxide
INVENTOR(S): Reddy, Jale Sudhakar; Sivasanker, Subramanian; Ratnasamy, Paul
PATENT ASSIGNEE(S): Council of Scientific and Industrial Research, India
SOURCE: Indian, 16 pp.
CODEN: INXXAP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 177060	A	19961026	IN 1990-DE865	19900830
PRIORITY APPLN. INFO.:			IN 1990-DE865	19900830
OTHER SOURCE(S):			CASREACT 139:21947	

L10 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
AB A process for the ammoxidation of ketones (e.g., cyclododecanone), using ammonia and hydrogen peroxide in the presence of a homogeneous Ti-containing catalyst, is described along with a method of recovering the oxime product from the catalyst and the removal of reaction water by membrane pervaporation/vapor permeation. A process flow diagram is presented.

ACCESSION NUMBER: 2003:172962 CAPLUS
DOCUMENT NUMBER: 138:206867
TITLE: Process for the ammoxidation of ketones and method of recovering the oxime product by membrane pervaporation/vapor permeation
INVENTOR(S): Schiffer, Thomas; Esser, Peter Ernst; Roos, Martin; Kuppinger, Franz-Felix; Stevermeier, Guenter; Thiele, Georg Friedrich
PATENT ASSIGNEE(S): Degussa AG, Germany
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1288193	A2	20030305	EP 2002-15476	20020712
EP 1288193	A3	20030521		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
DE 10142620	A1	20030320	DE 2001-10142620	20010831
JP 2003176259	A2	20030624	JP 2002-249051	20020828
CN 1406929	A	20030402	CN 2002-132117	20020830
US 2003105356	A1	20030605	US 2002-232371	20020903
US 6639108	B2	20031028		
PRIORITY APPLN. INFO.:			DE 2001-10142620	A 20010831

L10 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Title catalysts are prepared by coating supports with sols or gel suspensions containing Si compds., Ti compds., and tetraalkylammonium compds., drying to form gels, steaming under pressure for crystallization of titanosilicates, and calcination. The catalysts are used in epoxidn. of olefins, hydroxylation of phenols, or ammoxidation of ketones by H2O2. A sol containing (EtO)4Si, (EtO)4Ti, and Pr4N+OH- was added to Cariet 30 (silica gel), dried, steamed at 220° for 6 days, and calcined at 550° for 6 h to give a catalyst containing approx. 23 weight% titanosilicate. Allyl methacrylate was epoxidized by H2O2 in MeOH using the catalyst at 60° for 2.5 h to give glycidyl methacrylate with 87% selectivity at 96% conversion.

ACCESSION NUMBER: 1999:394580 CAPLUS
 DOCUMENT NUMBER: 131:44724
 TITLE: Preparation of titanosilicate catalysts and preparation of epoxides, hydroquinones, and ketoximes using hydrogen peroxide and the catalysts
 INVENTOR(S): Okamoto, Takanobu; Arakawa, Satoshi
 PATENT ASSIGNEE(S): Mitsubishi Gas Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JYKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11165074	A2	19990622	JP 1997-330202	19971201
PRIORITY APPLN. INFO.:			JP 1997-330202	19971201

L10 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB The process comprises hydrothermally crystallizing a hydroxide- and salt-free aqueous mixture of colloidal SiO2, a Ti compound, and a tetraalkylammonium compound and NH4OH in NH4OH/tetraalkylammonium mol. ratio (3-200):1. The zeolitic titanium silicate has an x-ray diffraction pattern (measured with Cu-K radiation) as presented, and is used as catalysts, adsorbent, and binder-free catalyst in fluidized-bed, moving-bed, and suspension processes, e.g., the ammoxidation of cyclohexanone to cyclohexanoneoxime. The tetraalkylammonium compound is a tetrapropylammonium halide, e.g., Pr4NBr, or Pr4NOH, and the Ti compound is a Ti alkoxide, e.g., Ti(OEt)4, Ti(OPr)4, that is treated with H2O2.

ACCESSION NUMBER: 1993:475782 CAPLUS
 DOCUMENT NUMBER: 119:75782
 TITLE: Manufacture of alkali metal-free zeolitic titanium silicate, the alkali metal- and amine-free titanium silicate obtained, and its use
 INVENTOR(S): Mueller, Ulrich; Hoelderich, Wolfgang
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Eur. Pat. Appl., 13 pp.
 CODEN: EPAXIX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 543247	A1	19930526	EP 1992-119130	19921109
EP 543247	B1	19950913		
R: BE, CH, DE, FR, GB, IT, LI, NL				
DE 4138155	A1	19930527	DE 1991-4138155	19911121
US 5401486	A	19950328	US 1993-164425	19931208
PRIORITY APPLN. INFO.:			DE 1991-4138155	A 19911121
			US 1992-969728	B1 19921030

L10 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2005 ACS on STN
 AB Oximes are prepared in high yield by ammoxidn. of carbonyl compds. with NH3 and H2O2 in the presence of crystalline zeolites containing Si and Ti, pretreated with H2O2, as catalysts. Stirring (EtO)4Si 544, (iso-PrO)4Ti 24, and 20% Pr4N+ OH- 1200 g with distillation of EtOH at 78° and iso-PrOH at 98°, diluting with H2O to 2 L, heating at 175° for 10 days, drying, calcining, heating 3 times with 100 mL 30% H2O2 and 1 L 5% H2SO4 at 70° for 2 h, drying, and calcining gave a catalyst which was used in ammoxidn. of cyclohexanone to the oxime with 87.0% conversion and 81.0% selectivity.

ACCESSION NUMBER: 1988:475735 CAPLUS
 DOCUMENT NUMBER: 109:75735
 TITLE: Catalytic manufacture of oximes
 INVENTOR(S): Roffia, Paolo; Padovan, Mario; Leofanti, Giuseppe; Mantegazza, Maria Angela; De Alberti, Giordano; Tauszik, Giorgio Roberto
 PATENT ASSIGNEE(S): Montedipe S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 267362	A1	19880518	EP 1987-108577	19870612
EP 267362	B1	19900606		
R: AT, BE, DE, ES, FR, GB, IT, NL, SE				
JP 63130575	A2	19880602	JP 1987-141638	19870608
JP 06010181	B4	19940209		
US 4794198	A	19881227	US 1987-59536	19870608
CA 1279068	A1	19910115	CA 1987-539254	19870609
AT 53380	Z	19900615	AT 1987-108577	19870612
PRIORITY APPLN. INFO.:			IT 1986-22346	A 19861114
			IT 1987-19607	A 19870306
			EP 1987-108577	A 19870612

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
35.83	36.04

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.11	-5.11

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